

ABSTRACT OF THE DISCLOSURE

An information kit object that enables generic communication patterns among components of a modular computer system environment implementing an Information Kit (advanced publish-and-subscribe software bus). The information kit object contains an identifier of the type of data contained, the actual data, and a function associated with the data and/or object. The function may be a priority value that enables the information kit object to be arranged within a queue of the information kit and issued to requesting nodes in that order. The function may also be an indicator of a level of freshness for the information kit. Object. When an object is no longer at a desired level of freshness a refresh operation is triggered, which causes the publication of another information kit object to replace the previous one. A subscription object is also provided that includes the search query listing the data object of interest to the subscribing node.